

Title (en)

METHOD OF OPERATING AN ELECTRIC POWER GENERATOR SET AND AN ELECTRIC POWER GENERATOR SET

Title (de)

VERFAHREN ZUM BETREIBEN EINES ELEKTRISCHEN STROMGENERATORSATZES UND ELEKTRISCHER STROMGENERATORSATZ

Title (fr)

PROCÉDÉ D'EXPLOITATION D'UN ENSEMBLE GÉNÉRATEUR D'ÉLECTRICITÉ ET ENSEMBLE GÉNÉRATEUR D'ÉLECTRICITÉ

Publication

**EP 2984322 B1 20181024 (EN)**

Application

**EP 14722687 A 20140408**

Priority

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- FI 2014050244 W 20140408

Abstract (en)

[origin: WO2014167177A1] Invention relates to method of operating an electric power generator set (1) comprising a gas operated internal combustion piston engine (10) coupled with an electric generator (12) in which gaseous fuel is fed as a main fuel into combustion chambers of the engine along with the combustion air and the mixture of the gaseous fuel and air is ignited by injecting an amount of pilot fuel (28), the timing and duration of the pilot fuel injection is controlled based on engine's operational parameters and the state of the electric grid (16), to which the generator is connected, is monitored. In the method in case of a disturbance in the grid is detected, the control of the timing and/or duration of the pilot fuel injection is effected based on the grid disturbance.

IPC 8 full level

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Citation (examination)

- US 2012139264 A1 20120607 - RIIHIMAEKI VESA [FI]
- SAHOO B B ET AL: "Effect of engine parameters and type of gaseous fuel on the performance of dual-fuel gas diesel engines-A critical review", RENEWABLE AND SUSTAINABLE ENERGY REVIEWS, ELSEVIERS SCIENCE, NEW YORK, NY, US, vol. 13, no. 6-7, 1 August 2009 (2009-08-01), pages 1151 - 1184, XP026049123, ISSN: 1364-0321, [retrieved on 20081001], DOI: 10.1016/J.RSER.2008.08.003

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